

# PATENT SPECIFICATION



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283.826

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## COMPLETE SPECIFICATION,

### Improvements relating to a New or Improved Stop for Preventing Doors from Banging.

I, CHARLES STAFFORD, of 3, Brown Street, Market Street, Manchester, in the County of Lancaster, a British subject, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to a new or improved stop for preventing doors banging, of the type comprising a cylinder, a piston or clack within the cylinder connected to a piston rod projecting through one end of the cylinder to receive the impact of the door, a spring within the cylinder, a guide device for the spring and an adjustable valve for regulating the passage of contained air within the cylinder to atmosphere.

According to the improvement of this invention an adjustable pin valve is provided whereby the escape of air from the cylinder can be more efficiently controlled.

The invention is more particularly described with reference to the accompanying drawings in which:—

Figure 1 is a sectional plan view from below of a device fixed in position on the upper part of the frame of a door.

Figure 2 is an outside elevation of the arrangement in position.

The device consists of a cylinder 1 having flanges 2 perforated to receive screws 3 for securing this upon, for instance, the upper frame part 4 of a door, although it is obvious that it can be fitted to any other convenient place.

[Price 1/-]

The cylinder 1 is closed by a screw cap 5 which preferably has a small hole 6 in it for the entry of air. This cap 5 is bored centrally to form a guide for a rod 7, at the outer end of which a rubber stop 8 is secured, whilst the inner end carries a cup leather piston 9 normally forced outwards by means of a spring 10.

The cylinder 1 has at its opposite end a boss 11 bored to receive a threaded plug 12 by means of which a conical pin valve 13 can be adjusted upon its seating in a conical boring in the end of the cylinder 1.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A stop for the preventing of banging of doors of the type described in which the escape of air from the cylinder is controlled by an adjustable pin valve substantially as described.

2. A device for preventing the banging of doors, constructed and arranged to operate, substantially as described with reference to the accompanying drawings.

Dated this 6th day of October, 1927.

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*[This Drawing is a reproduction of the Original on a reduced scale.]*

